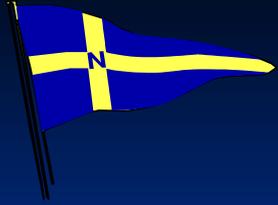




# NAVAL ACADEMY SAILING SQUADRON

Race Management Seminar – 25 February 2006





# WHAT ARE OUR GOALS?

- Have the right attitude – i.e., our job is to serve the competitors!
- Be as close to perfect as possible!
- Recognize errors early and deal with them promptly!
- Be invisible!
- Have fun!!!!





# NASS RACE COMMITTEE TRAINING 25 FEBRUARY 2006

## ■ AGENDA

### ■ NASS RACE FORMATS

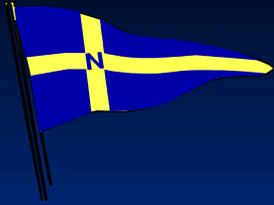
- Big Boat Fleet Races
- Navy 26 Match Races
- CBYRA Bay Races

### ■ RACE MANAGEMENT

- Preparation
- Race Day
- Scoring

### ■ PROBLEM SOLVING





# NASS REGATTAS

## ■ Intrepid

- 8-9 April
- Navy 26 Match Racing

## ■ Kennedy Cup (2 this year)

- 21-23 April and 3-5 November
- Navy 44 Fleet Race

## ■ Shields Regatta

- 16-17 September
- Navy 44 Fleet Racing

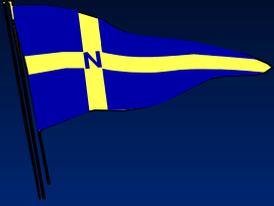




# MORE NASS REGATTAS

- **MacMillan Cup**
  - 21 - 22 October
  - Navy 44 Fleet Race
- **Lloyd Phoenix**
  - Navy 44 Fleet Race in alternate years (Long Beach this year)
  - U.S. Sailing Offshore Championships
- **Reina Mercedes**
  - Late August
  - Navy 26
- **Huntington Steele**
  - 16 October
  - Navy 44





# NASS CBYRA BAY RACES

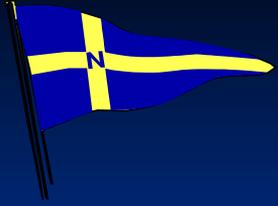
## ■ NASS SPRING RACE

- 22 – 23 April
- Saturday Handicap Fleet
- Sunday COD Races
- April Weather Patterns

## ■ NASS Race to Oxford

- 16 September
- 29.2 miles
- COD Classes
- Handicap Classes
- Aloha Cup
- Late Summer/Fall Weather Patterns

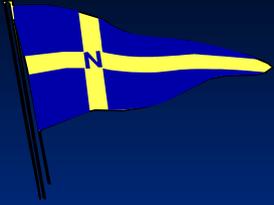




# OPPORTUNITIES??

- **VOST Practice**
- **Intercollegiate Team Support**
- **JVOST**





# PRE-RACE MANAGEMENT

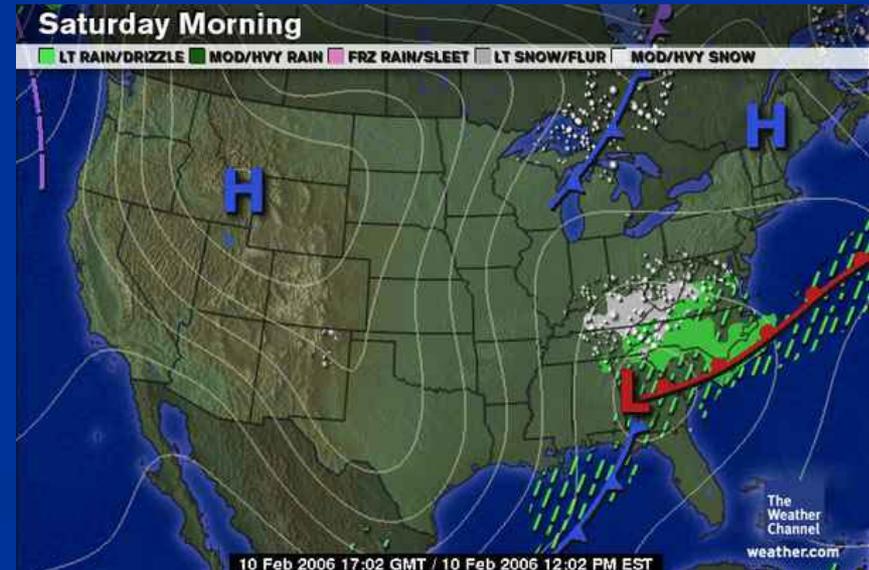
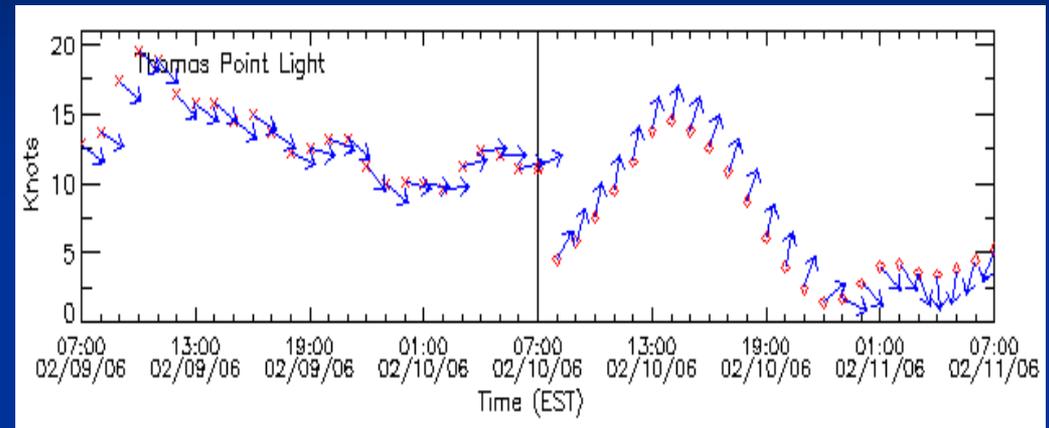
- **PREPARATION**
  - **Race Scheduling (January)**
  - **Green Book (December/January)**
  - **RC Signup/Recruitment (February)**
  - **Equipment Management (Continuing)**
    - **Inventory**
    - **Maintenance**
    - **Replacement**
    - **Equipment Manager?**
  - **Boat Scheduling (Weeks Before Regatta)**
    - **GIG or Other Signal Boat**
    - **Boat Setup (GIG or 44?)**
    - **Mark Boats**
    - **Operator Certification**





# BEFORE RACE DAY

- Equipment Presort
- RC Confirmation and Assignments
- Expected Wind
  - Where will it be?
  - Where will it go?
  - How strong?
  - Web Resources
    - <http://co-ops.nos.noaa.gov/ofs/cbofs/winds.shtml>
    - [http://www.weather.com/maps/maptype/forecastsusnational/index\\_large.html](http://www.weather.com/maps/maptype/forecastsusnational/index_large.html)
  - Limitations???
- Check Boat Schedule
- Presort Equipment

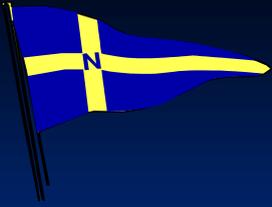




# RACE DAY

- **Report Early**
- **RC Meeting to Review Regatta Plan**
  - **Who/What/When/Where/How**
  - **Race Format**
  - **Wind/Weather**
  - **Likely Course Axis**
  - **Assignments (mark boats?)**
- **Final Equipment Sort and Loadout**
- **Skipper's Meeting**
- **Mark Boat and Signal Depart 1 ½ hours before first gun (Why so early?)**





# TYPICAL RC JOBS

## ■ Signal Boat

- Timer
- Recorder
- Signals (2)
- Wind
- Line Sight
- Gunner
- PRO

## ■ Pin Boat

- LineHandler/Spotter
- Driver

## ■ Weather Mark

- Mark Handler/Comms
- Driver

## ■ Checkin Boat for Oxford

- Skipper
- Two Recorders



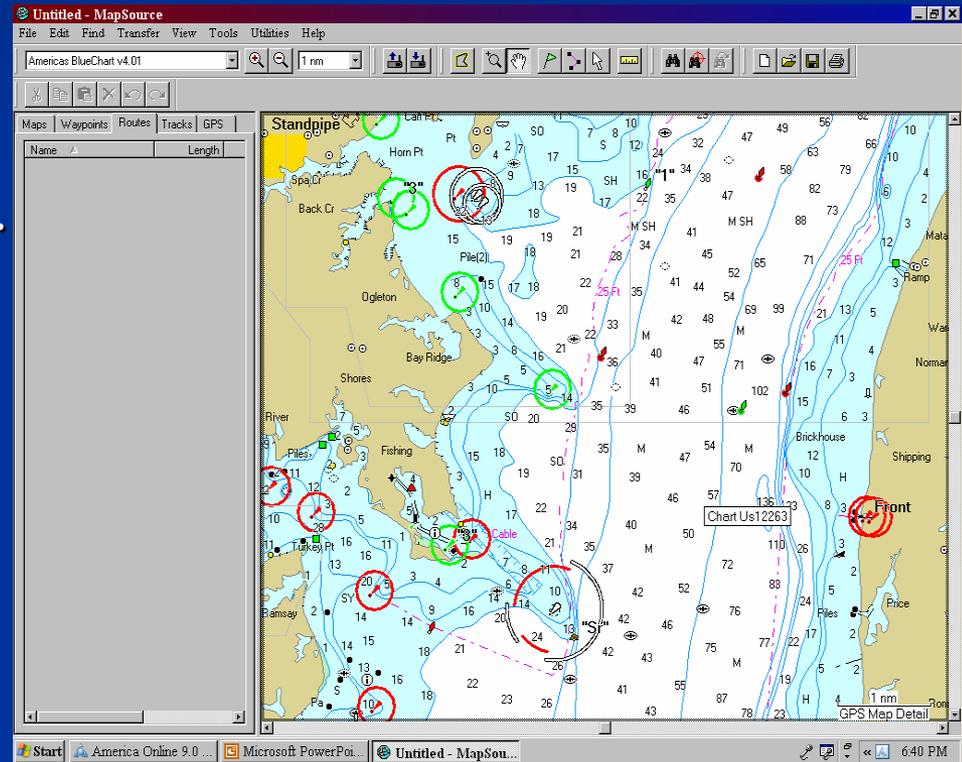


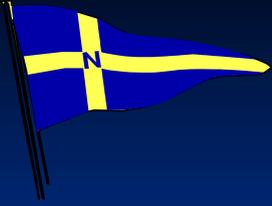


# SPRING RACE SETUP

## ■ Spring Race

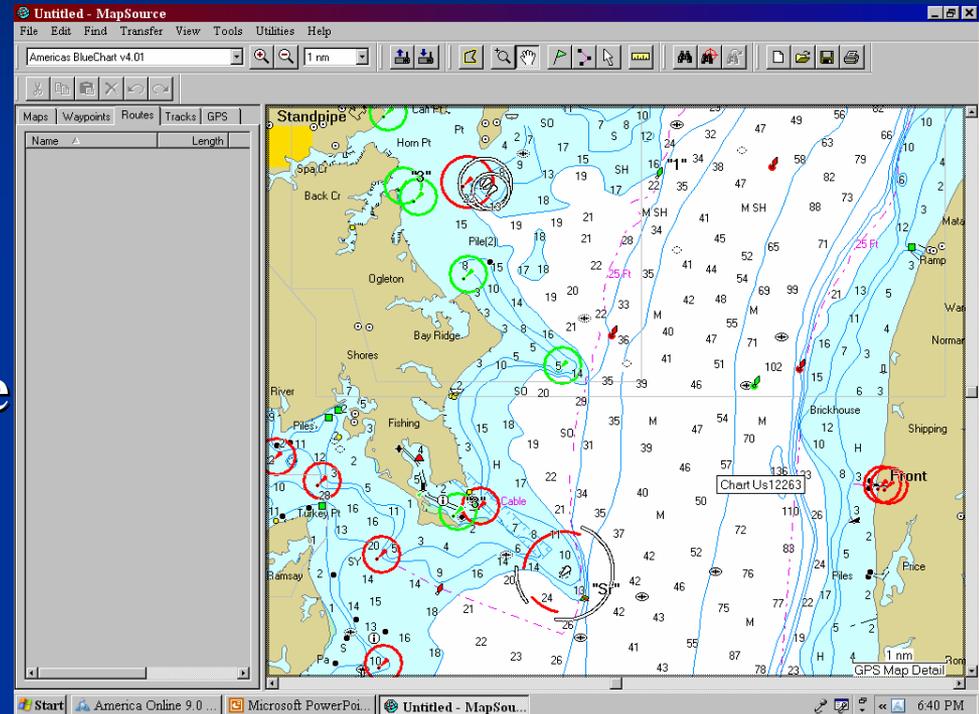
- Drop Mark  
Windward/Leeward
- Handicap races Saturday.  
Difficult to get multiple  
races or course changes  
(after the first leeward  
leg).
- Multiple races for CODs  
on Sunday.
- Coordinate with other  
regattas (K-Cup, IRC)





# OXFORD RACE SETUP

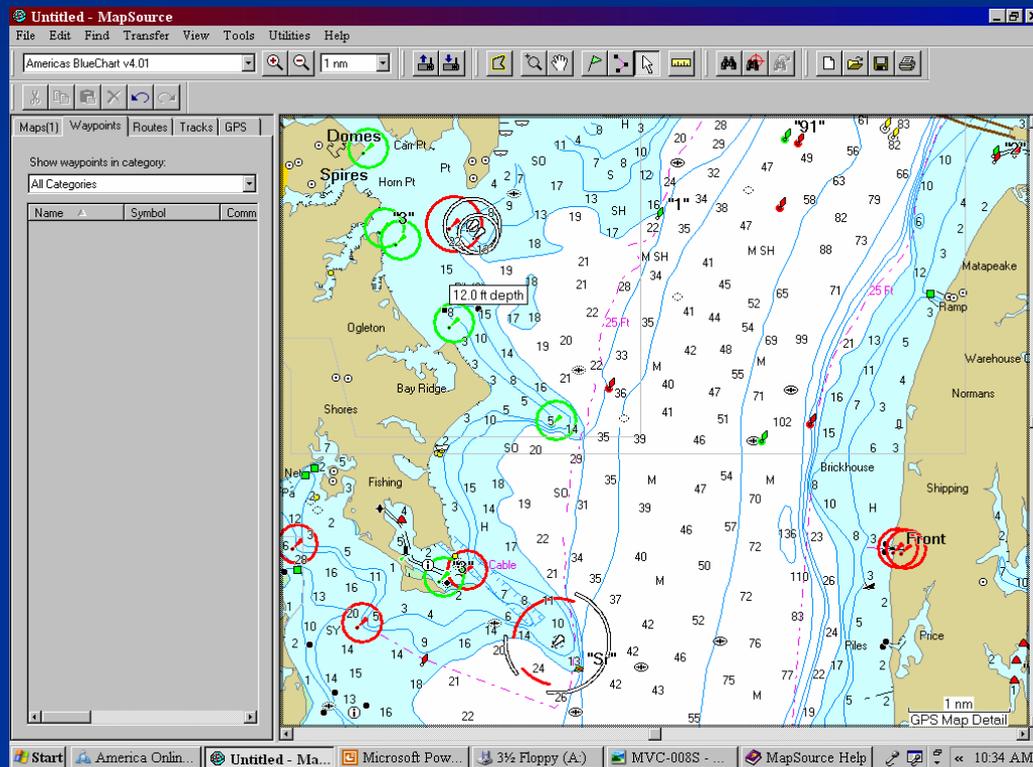
- Course 191 to “82”
- Usually 15 classes with PHRF B largest class – 30+ boats
- How would you determine the start line bearing?
- How long a line?
- How would you decide whether to drag the start south? When would you decide?





# SETTING UP THE W/L COURSE

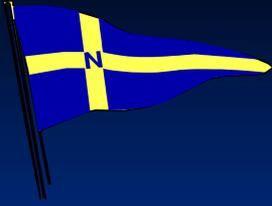
- **Anchor Signal Boat and Record GPS Position**
- **Decide Initial Course Axis and Length**
- **Set Leeward Mark 100 Meters to Weather of the Start Line**
- **Weather Mark Boat “Pings” Leeward Mark and Holds at Weather Mark Position**
- **Set the Pin (by when?)**
- **Set the Weather Mark**





# TAKE FIVE





# RADIO COMMUNICATIONS

- **Open Channel in Sailing Instructions**
- **Establish Private Back Channel Before the Race For Pin and Weather Mark Boats**
- **Communicate Freely With Competitors Without Becoming “Chatty”. Do It Professionally.**
- **Countdown to Signals**

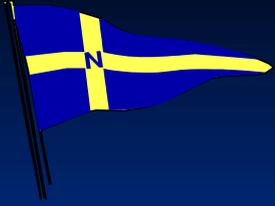




# RACE COMMITTEE COMMUNICATIONS

- **Ample Input to PRO  
Before Sequence**
- **After Sequence Begins,  
Everyone Quiet Except  
Timer, PRO, and  
Recorder (if asked)**
- **Vital Information  
Anytime**

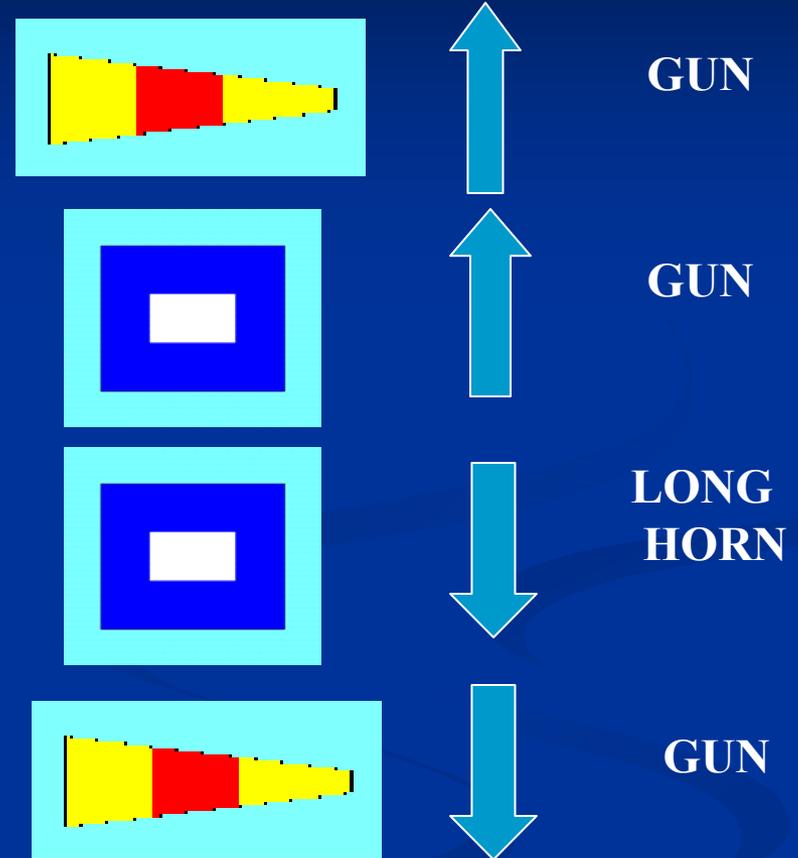




# RULE 26 STARTS

- **Warning – 5 minutes before Start – class flag raised – sound\***
- **Prep – 4 minutes before start – “Papa” raised – sound**
- **“Papa” down – 1 minute before start – long sound**
- **Start – Class Flag down – sound**

\* **Attention signal - multiple horn blasts before warning helpful for subsequent races**

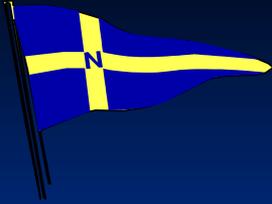




# THE START

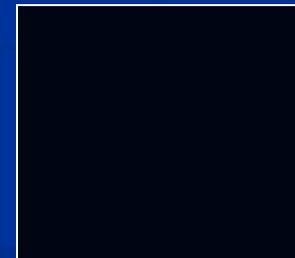
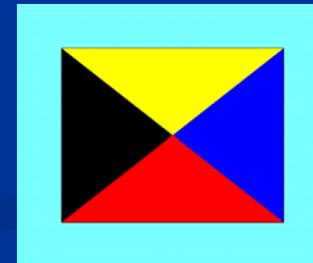
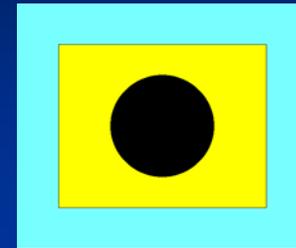
- **Countdown to Sequence Clock Start - Usually by PRO**
- **If subsequent race, PRO Radios Fleet Sequence Start Soon with attention signal**
- **Open Radio Mike During 10 Second Countdown to Signals**
- **Tape Recorder On**

<u>TIME</u>	<u>ACTION</u>
6:00	Sequence Clock begins Attention Signal for subsequent races – Fleet Notified
5:00	Warning – Class Flag Up with a Gun
4:00	Prep – “Papa” Up with a Gun
1:00	Papa Down – Long Horn
0:00	Start – Class Flag Down



# RULE 30 VARIATIONS

- **“I” Flag – “Round the Ends”**
- **“Z” Flag – 20 percent penalty**
- **Black Flag – “Death Penalty”**
- **May be both “I” and “Z”**
- **Replace the “P” flag at Prep**

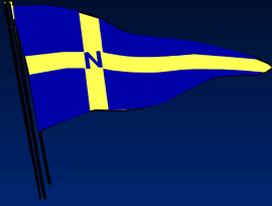




# RULE 30

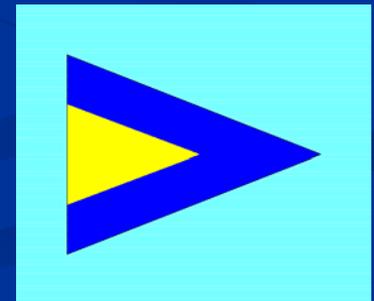
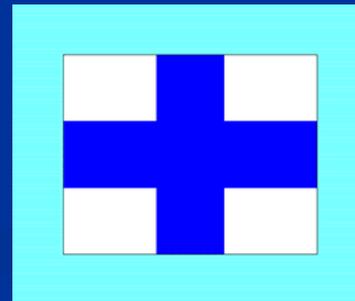
- “I” Flag violations apply to start line “or extensions”
- “Z” and Black Flag violations apply to first leg triangle

Part 3	CONDUCT OF A RACE	30.3
29.2	General Recall	When at the starting signal the race committee is unable to identify boats that are on the course side of the starting line or to which rule 30 applies, or there has been an error in the starting procedure, the race committee may signal a general recall (display the First Substitute with two sounds). The warning signal for a new start for the recalled class shall be made one minute after the First Substitute is removed (one sound), and the starts for any succeeding classes shall follow the new start.
30	STARTING PENALTIES	
30.1	Round-an-End Rule	If flag I has been displayed, and any part of a boat's hull, crew or equipment is on the course side of the starting line or its extensions during the minute before her starting signal, she shall thereafter sail from the course side across an extension to the pre-start side before starting.
30.2	20% Penalty Rule	If flag Z has been displayed, no part of a boat's hull, crew or equipment shall be in the triangle formed by the ends of the starting line and the first mark during the minute before her starting signal. If a boat breaks this rule and is identified, she shall receive, without a hearing, a 20% scoring penalty calculated as stated in rule 44.3(c). She shall be penalized even if the race is restarted, resailed or rescheduled, but not if it is postponed or abandoned before the starting signal.
30.3	Black Flag Rule	If a black flag has been displayed, no part of a boat's hull, crew or equipment shall be in the triangle formed by the ends of the starting line and the first mark during the minute before her starting signal. If a boat breaks this rule and is identified, she shall be disqualified without a hearing, even if the race is restarted, resailed or rescheduled, but not if it is postponed or abandoned before the starting signal. If a general recall is signalled or the race is abandoned after the starting signal, the race committee shall display her sail number before the next warning signal for that race, and if the race is restarted or resailed she shall not



# AT THE GUN

- PRO decides if OCS boats, with Line Sighter advice. If so, “promptly” orders X-Ray with 1 horn.
- Can all be Identified? (Rule 29) Recorder writes down the sail numbers as they are communicated by PRO and Pin Boat
- If yes, PRO informs fleet as a courtesy
- If no, PRO orders X-Ray replaced with 1<sup>st</sup> Sub and 2 horns for General Recall
- X-Ray lowered when boats clear or 4 minutes, whichever sooner
- Alternative process??





# GENERAL RECALL

- **Restart sequence begins one minute after 1<sup>st</sup> Sub is lowered**
- **Inform fleet when 1<sup>st</sup> Sub will be lowered**
- **Normal Rule 26 sequence thereafter**

## TIME

## ACTION

6:00

1<sup>st</sup> Sub lowered with 1 sound (gun)

5:00

Warning – Class Flag up with gun

4:00

Prep – “Papa” Up with a Gun

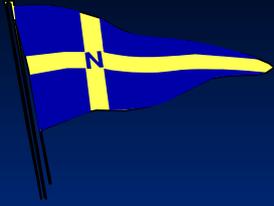
1:00

Papa Down – Long Horn

0:00

Start – Class Flag Down

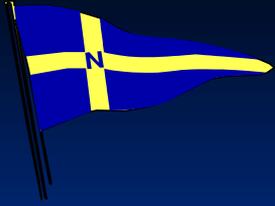




# AFTER THE START

- **Time to Relax? Nope!**
- **Watch the Wind Track**
- **Watch the Competitors**
- **Watch Other Boats**
- **Watch the Water**
- **Communicate With Mark Boats**
- **Be Decisive on Wind Shifts! But don't chase oscillations!**
- **Record Mark Roundings**





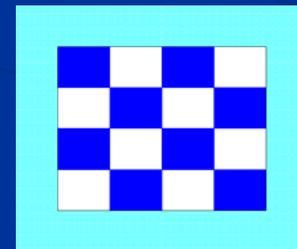
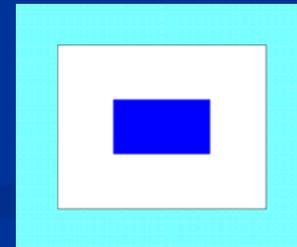
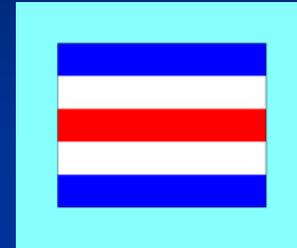
# OPTIONS DURING RACE

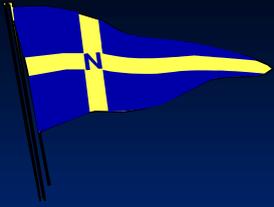
## ■ Course Change Options

- Axis Course Change
  - “Charlie”, course board, and whistle
- Shorten/lengthen legs
  - “Charlie”, “+” or “-”, and whistle
- Reduce Number of Legs
  - “Sierra” and 2 sounds
  - Finish flags in place

## ■ Blow It Off

- “November” with or without additional signal

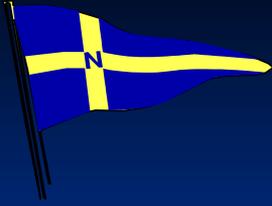




# OXFORD COURSE OPTIONS

- **Drag the Start South**
  - **Be Aware of September Weather Patterns and Current**
  - **Some Boats Are Slow Under Power**
  - **Be decisive! If Not Enough Wind to Start on Time, Drag the Start South!**
- **May Shorten the Course at Turning Marks (See Chart)**
- **Goal is to finish at Tred Avon River R “2”**





# THE FINISH

- Prepare Early
  - Clipboards/Finish Sheets
  - Assign jobs
  - Line Spotter in Place
  - Tape Recorder
  - Log Recorder Ready
  - Finish and Station Flags in Place
- Redundant Recording
- Tug Watch!
- Debrief!!!





# SCORING

- Spring Race and Oxford Use JavaScore
- Entries entered Before Regatta.
- Scratch sheet to Signal Boat.
- Enter Finish Data Aboard Finish Boat
- Post Preliminary Results Quickly
- Results to CBYRA ASAP
- Intercollegiate Regattas Simple

2004 McMILLAN CUP  
23-24 October  
Navy 44 at U.S. Naval Academy

Saturday - Five races were held in great racing conditions of NNE winds ranging from 6-14 knots.

Sunday - No racing. Light wind shifting between N and E prevented any races to be attempted within the time limit.

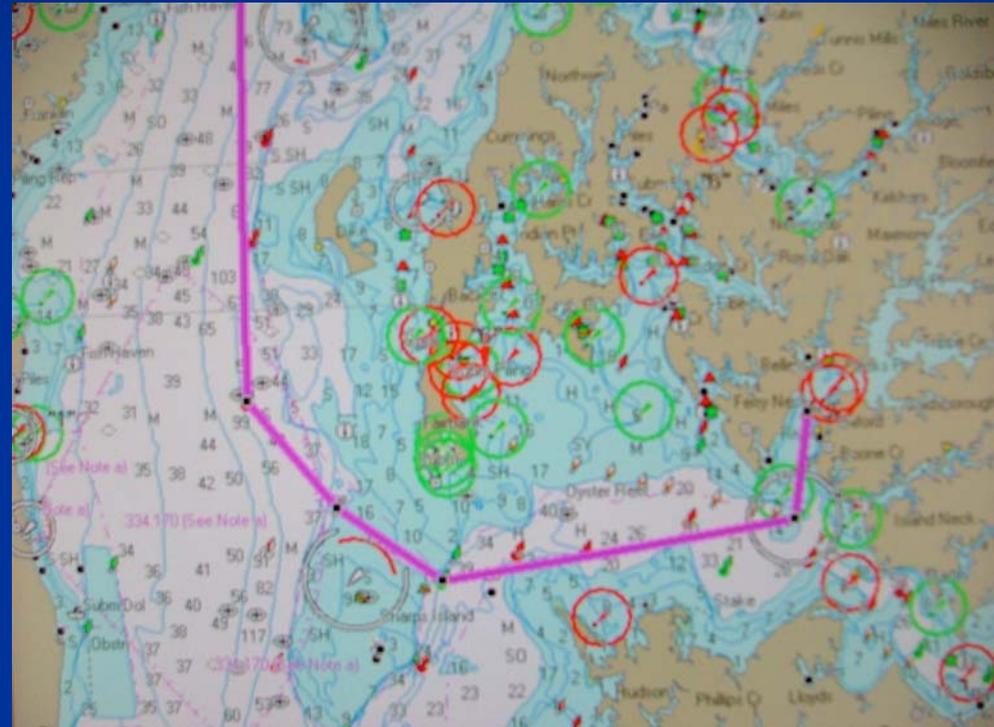
**Final Results**

School	#1	#2	#3	#4	#5	Total
Navy	1	1	1	1	5	9
St. Mary's	3	2	2	5	3	15
CGA	2	5	7	3	1	18
NY Maritime	4	6	3	4	4	21
Maine Maritime	6	4	4	6	2	22
Mass. Maritime	7	3	6	2	7	25
Kings Pt.	5	7	5	7	6	30



# OXFORD RACE PRACTICE

- You are PRO for the Oxford Race and have started all classes on time on a clear day dominated by high pressure. Wind is SW at 8 knots at the start.
- You are chasing the fleet to Oxford. It is now 1530 hours and you are at Blackwalnut Point (Choptank G “7”) monitoring the fleet. Wind is still SW, but at 6 knots.
- The A0 fleet just passed G “7” headed for the Choptank Light. You have most of the fleet in sight, but none have passed G “7”. The Alberg 30 are furthest away, about 4 miles from G “7”
- What are your options on finishing the race? What is the best option?







# MAC CUP PRACTICE

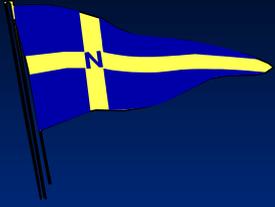
- The boats are finishing Race 3 downwind.
- NA-19 is flying a red flag. What does it mean?
- She hails the Signal Boat that she is protesting NA-13.
- NA-13 is flying a yellow flag from the backstay.
- What does that mean?
- NA-20 finishes the race, but her stern brushes the finish pin after she finishes as she passes the mark. Has she broken a rule? What do you do?





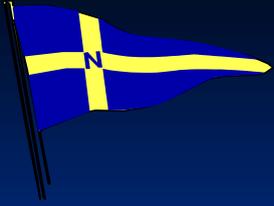
# OXFORD 2004





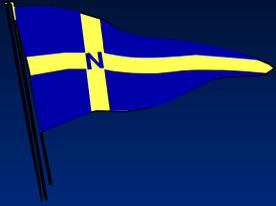
# MORE OXFORD 2004





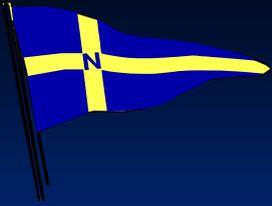
# LLOYD PHOENIX 2001





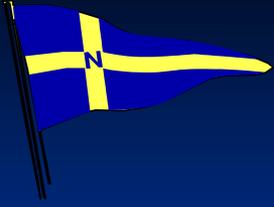
# INTREPID 2003





**Annapolis/  
Newport  
2005  
American  
Promise**





# HANDS ON

- Take and Plot Wind Readings
- Play with GPS
- Inflate a mark
- Check the Equipment
- Ask Questions